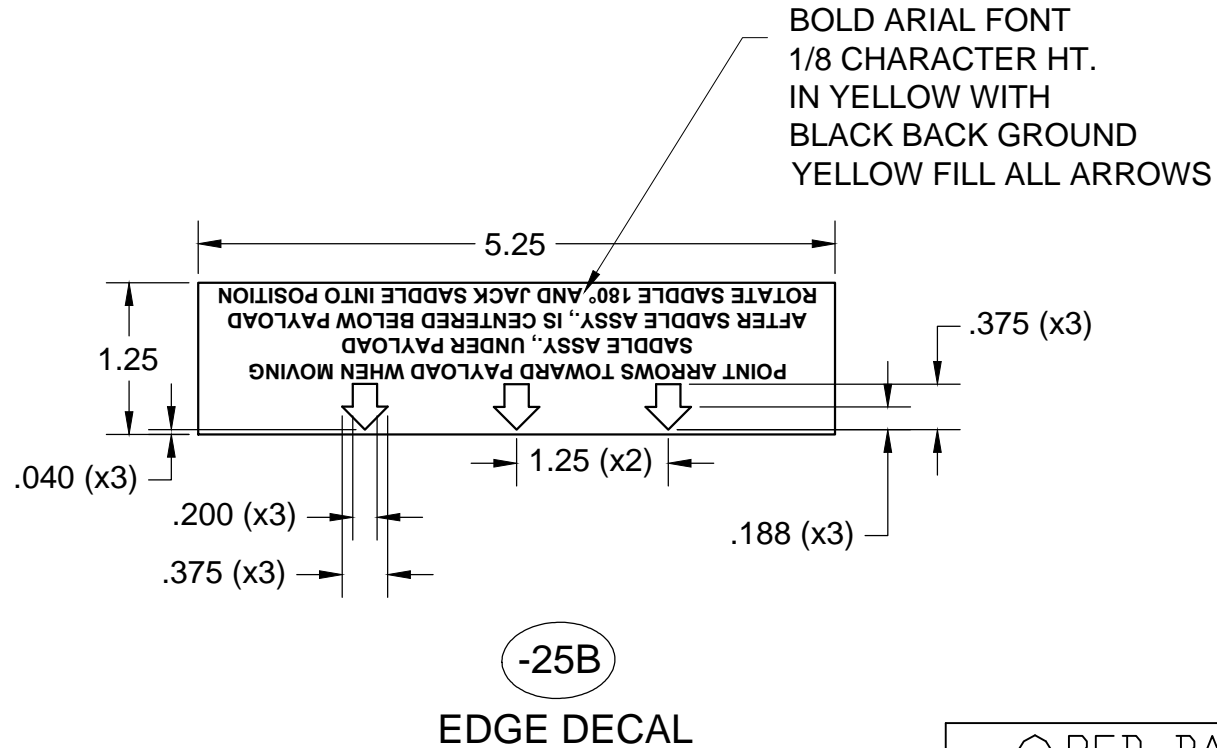



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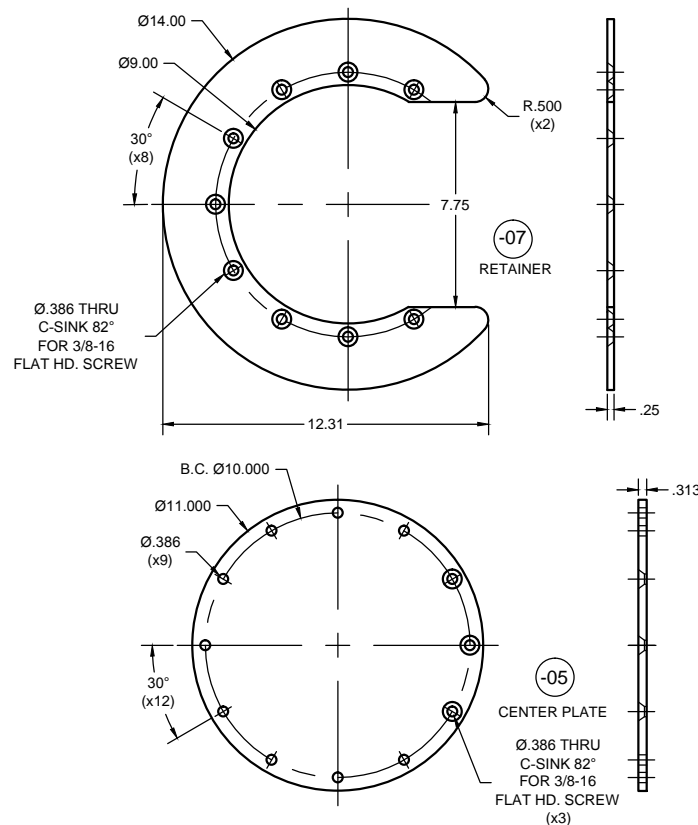
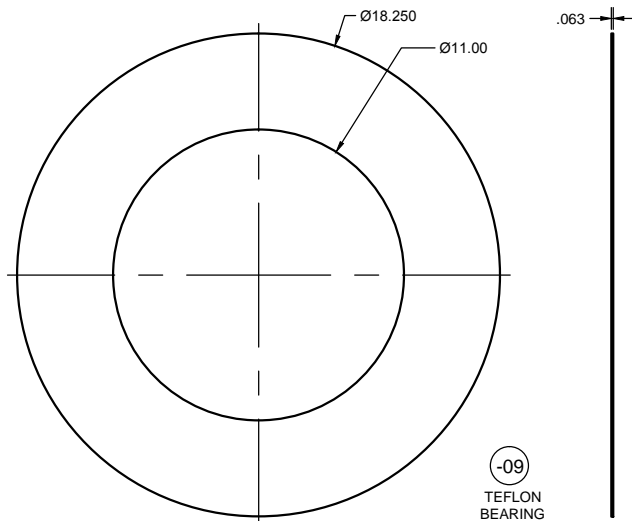
REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
4	DELETED -25A DECAL CENTER OF UNIT, NARROWED HANDLE LOCKS & ADJUSTED HARDWARE	12/21/07	WP	DW
5	ADDED SECOND #6-32 LANYARD HOLE TO P/N -01-13 ARM ADJUSTER, CHANGED -5 CENTER PLATE O.D. FROM Ø10.980. ALSO ADDED WEIGHT TESTING & ENGRAVING TO -01-47 LIFTING HANDLES. CHANGE -25B DECAL LETTERING 180°, ADDED -26 PLACARD	2/7/08	WP	DW
4	REMOVED PLACARD DRAWING FROM Pg. 15, IT HAS OWN PART NO.	6/8/09	WP	RW
10	CH'D DIAMETER FROM Ø19.00 TO Ø18.25 P/N'S -01-03, -03, -09, CH'D -11 TABS TO FIT -03 BASE TO -11A & -11B TABS PER D.W. CH'D SIZE -25B TO FIT -01-03.	2/4/10	RJC	



 RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT. PLACARD & EMBLEM	
DWG NO. RBT18640-103-25B	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH P.C. WHITE SPEC USED ON MODEL FLIR Brite Star II & Cobra
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE NTS DATE 3-23-07 SHEET 16 of 16


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
5	ADDED SECOND #6-32 LANYARD HOLE TO P/N -01-13 ARM ADJUSTER; CHANGED -5 CENTER PLATE O.D. FROM Ø10.980. ALSO ADDED WEIGHT TESTING & ENGRAVING TO -01-47 LIFT HANDLES. CHANGE -25B DECAL LETTERING 180°, & ADDED -26 PLACARD.	2/7/08	WP	DW
10	CH'D DIAMETER FROM Ø19.00 TO Ø18.25 P/N'S -01-03, -03, -09, CH'D -11 TABS TO FIT -03 BASE TO -11A & -11B TABS PER D.W. CH'D SIZE -25B TO FIT -01-03.	2/4/10	RJC	



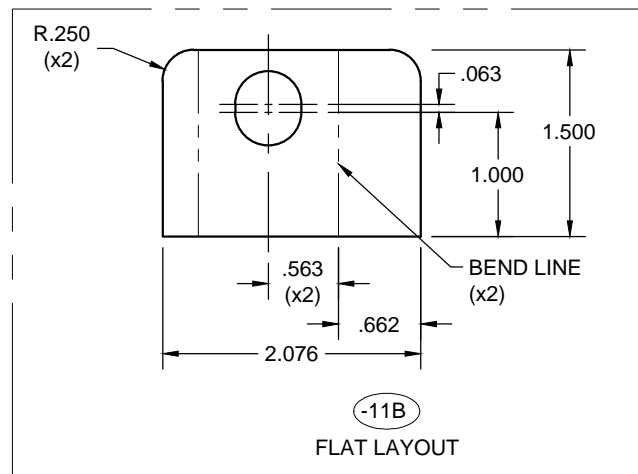
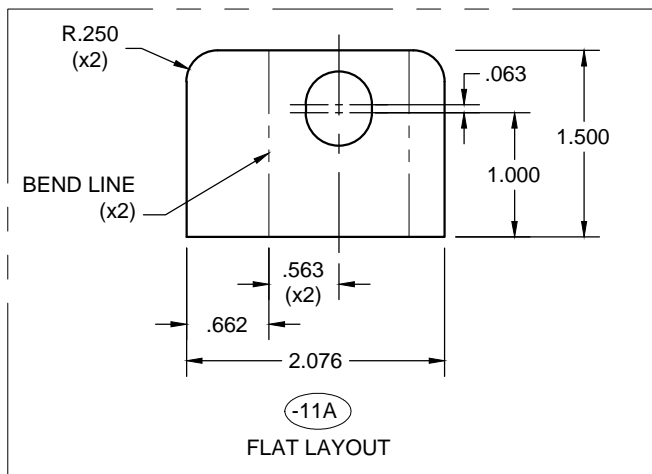
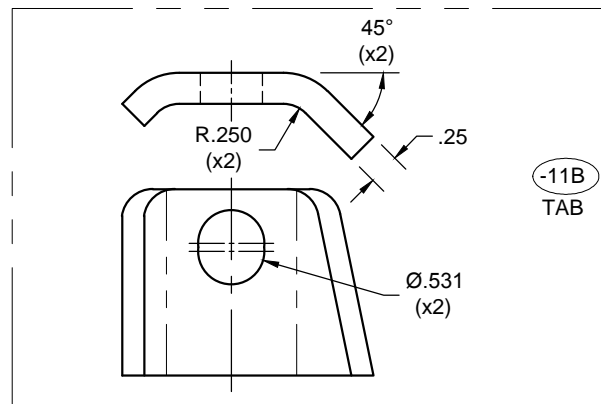
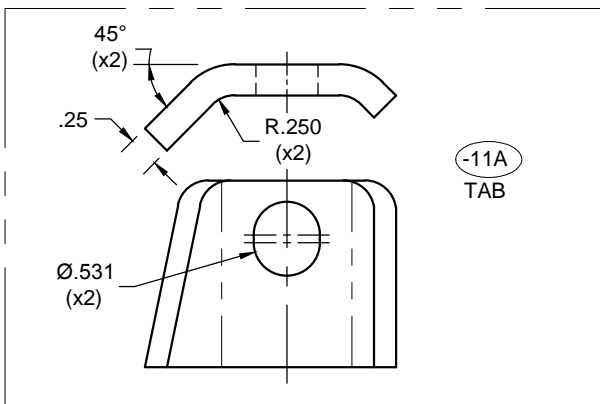
NOTES

- ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160

 RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT. CENTER PLARE & RETAINER	
DWG NO. RBT18640-103-05 TO -09	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-07
SHEET 15 of 16	
DRAWN BY: PERRITT APPROVED: _____ HEAT TREAT: _____ FINISH SPEC: P.C. WHITE USED ON MODEL: _____ FLIR Brite Star II & Cobra	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
10	CH'D DIAMETER FROM Ø19.00 TO Ø18.25 P/N'S -01-03, -03, -09, CH'D -11 TABS TO FIT -03 BASE TO -11A & -11B TABS PER D.W. CH'D SIZE -25B TO FIT -01-03.	2/4/10	RJC

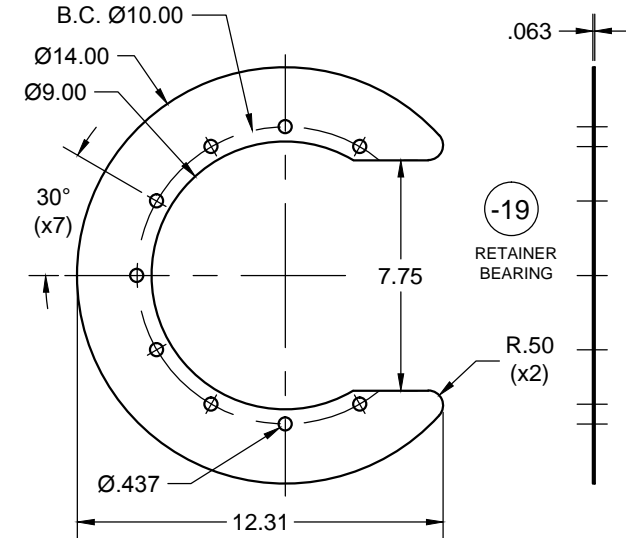
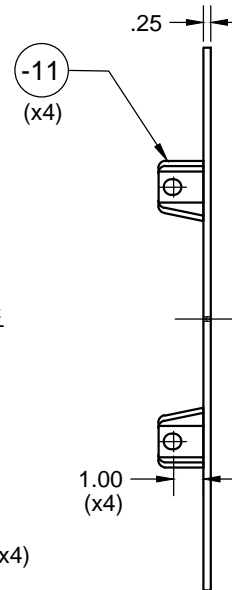
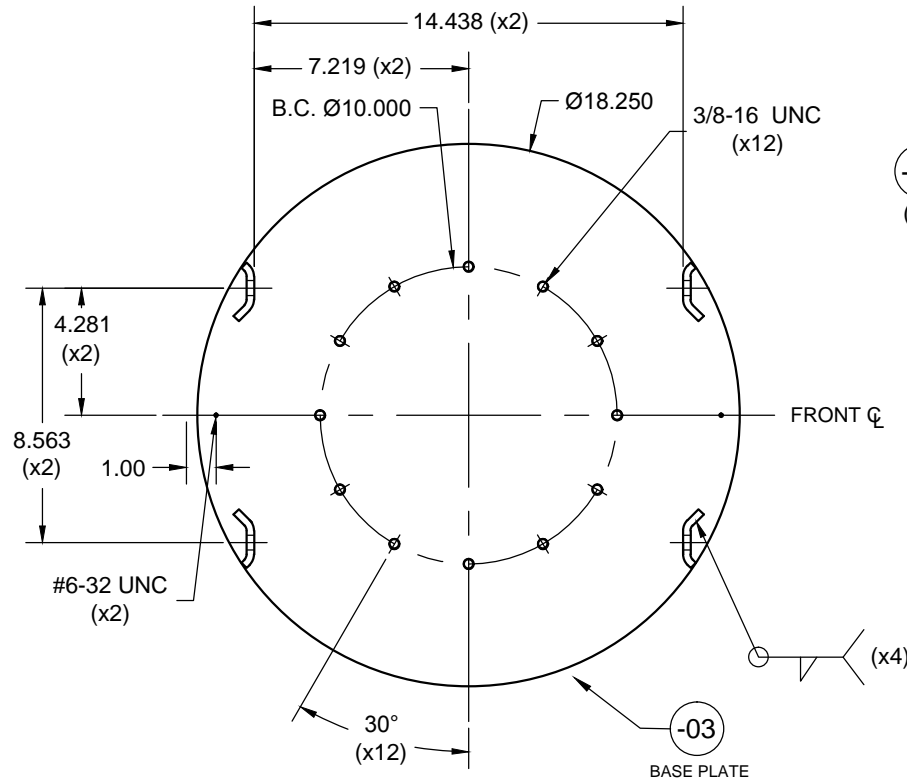


RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT. BASE PLATE & BEARING	
DWG NO. RBT18640-103-11A & -11B	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-07
SHEET 14 of 16	

DRAWN BY: PERRITT
APPROVED
HEAT TREAT
FINISH SPEC P.C. WHITE
USED ON MODEL
FLIR
Brite Star II & Cobra

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
10	CH'D DIAMETER FROM Ø19.00 TO Ø18.25 P/N'S -01-03, -03, -09, CH'D -11 TABS TO FIT -03 BASE TO -11A & -11B TABS PER D.W. CH'D SIZE -25B TO FIT -01-03.	2/4/10	RJC



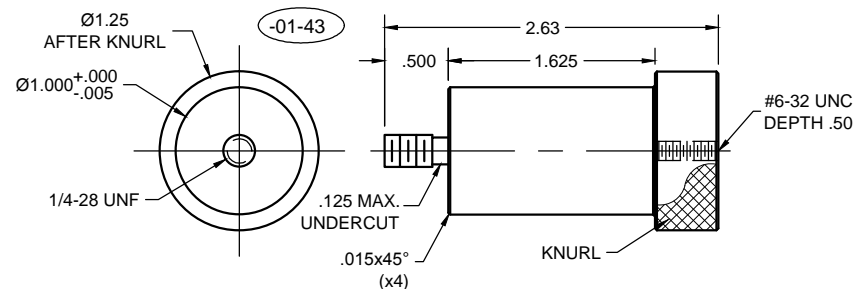
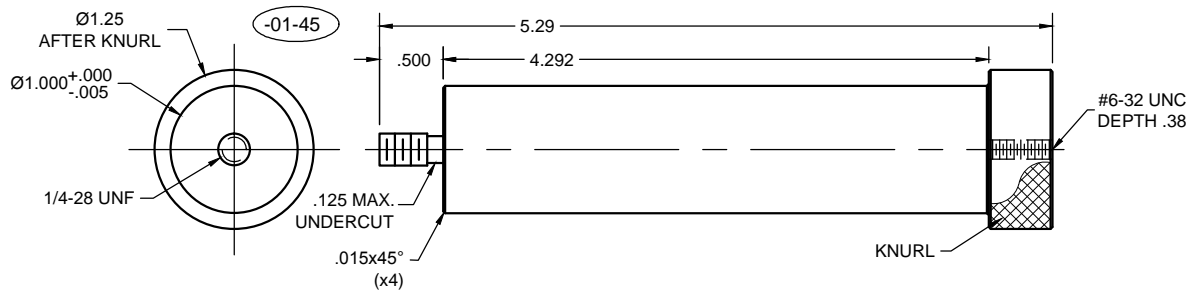
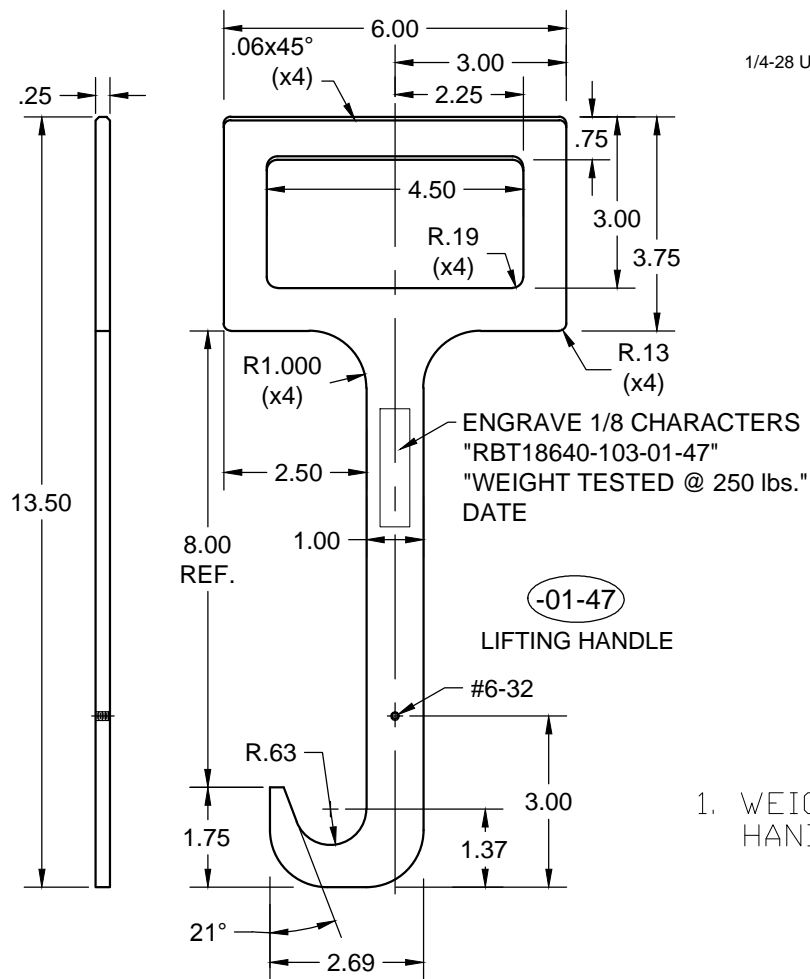
NOTES

- ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160
- TEST FIT BASE TO JACK BEFORE POWDER COATING.

RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT. BASE PLATE & BEARING	
DWG NO. RBT18640-103-03 & -19	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	
DATE 3-23-07	
SHEET 13 of 16	
DRAWN BY: PERRITT	
APPROVED	
HEAT TREAT	
FINISH SPEC P.C. WHITE	
USED ON MODEL	
FLIR	
Brite Star II & Cobra	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
5	ADDED SECOND #6-32 LANYARD HOLE TO P/N -01-13 ARM ADJUSTER. CHANGED -5 CENTER PLATE O.D. FROM Ø10.980. ALSO ADDED WEIGHT TESTING & ENGRAVING TO -01-47 LIFTING HANDLES. CHANGE -25B DECAL LETTERING 180°, & ADDED-26 PLACARD.	2/7/08	WP	DW
7	CHANGED HOLE DEPTH P/N -01-45.	4/28/09	RJC	-

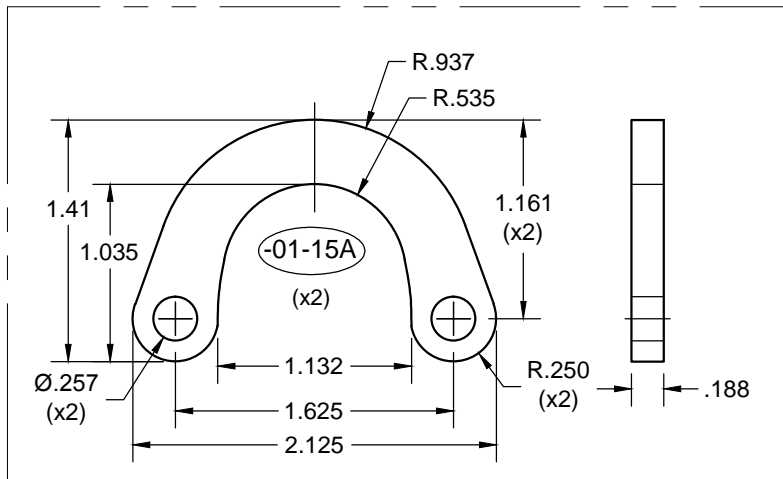
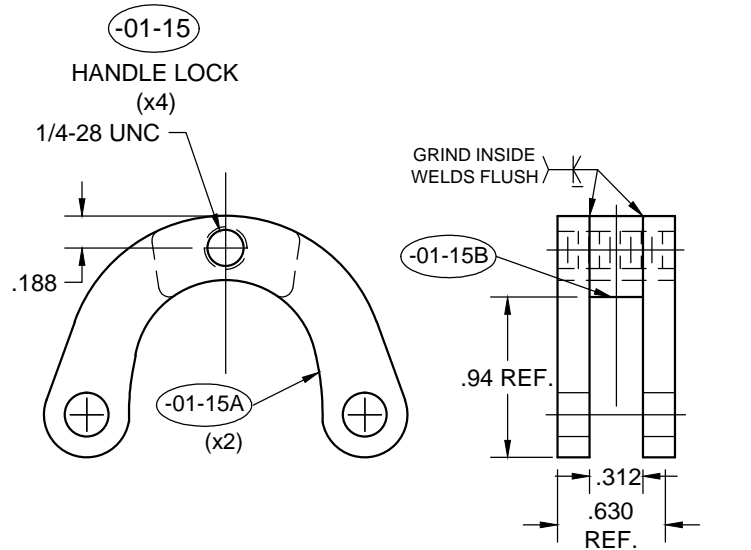


NOTES

1. WEIGHT TEST -01-47 LIFTING HANDLES TO 250 lbs.

RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT. CATCH & LIFTING HANDLES	
DWG NO. RBT18640-103-01-43 TO -47	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-07
SHEET 12 of 16	

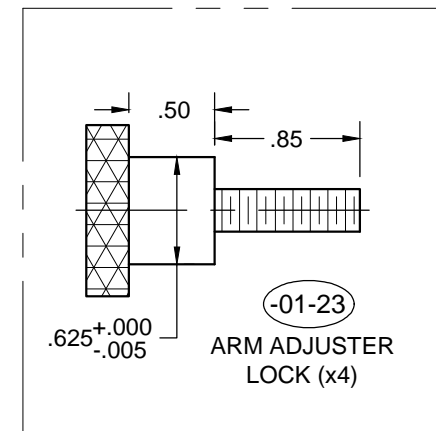
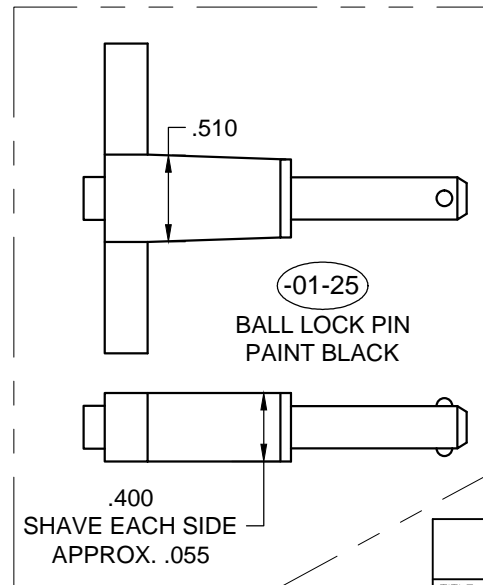
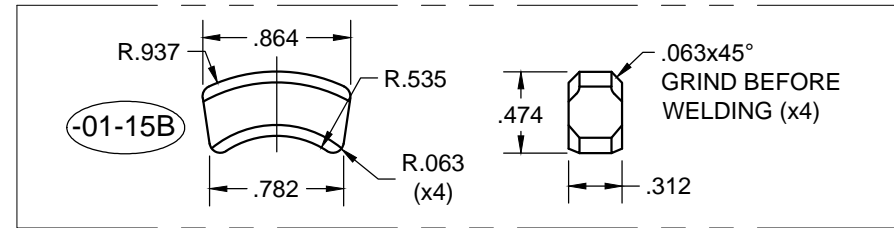
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NOTES

1. ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	MOVED FORWARD ARMS OUT .155 PER CUSTOMER REQUEST. CHANGED P/N -01-25 BALL LOCK PINS (MUST SHAVE FOR CLEARANCE).	9/6/07	WP	DW
6	-01-02 CENTER HOLE WAS Ø11.01 NOW Ø11.02; -01-13 WAS R.195 NOW R.200; -01-21 SHOULDER WAS .125 ±.002 NOW .145 TO .150; FOR CLEARANCE OF POWDER COATING	11/25/08	WP	RW
8	REMOVED DRAWING OF -01-21 SHOULDER BOLT, NO MACHING REQUIRED.	6/8/09	WP	RW
9	CH'D P/N -01-15B DIM .250 TO .312 FOR POWDER COATING CLEARANCE.	7/7/09	RJC	-
9A	CHANGED -01-15 WELD SYMBOL FROM FILLET TO BEVEL AND GRIND SMOOTH ON INSIDE.	10/26/09	WP	-



RED BARN MACHINE

TITLE FIRE SCOUT
PAYLOAD ADAPT. ARM HANDLE LOCK

DWG NO. RBT18640-103-01-15 thru -25 10 REV

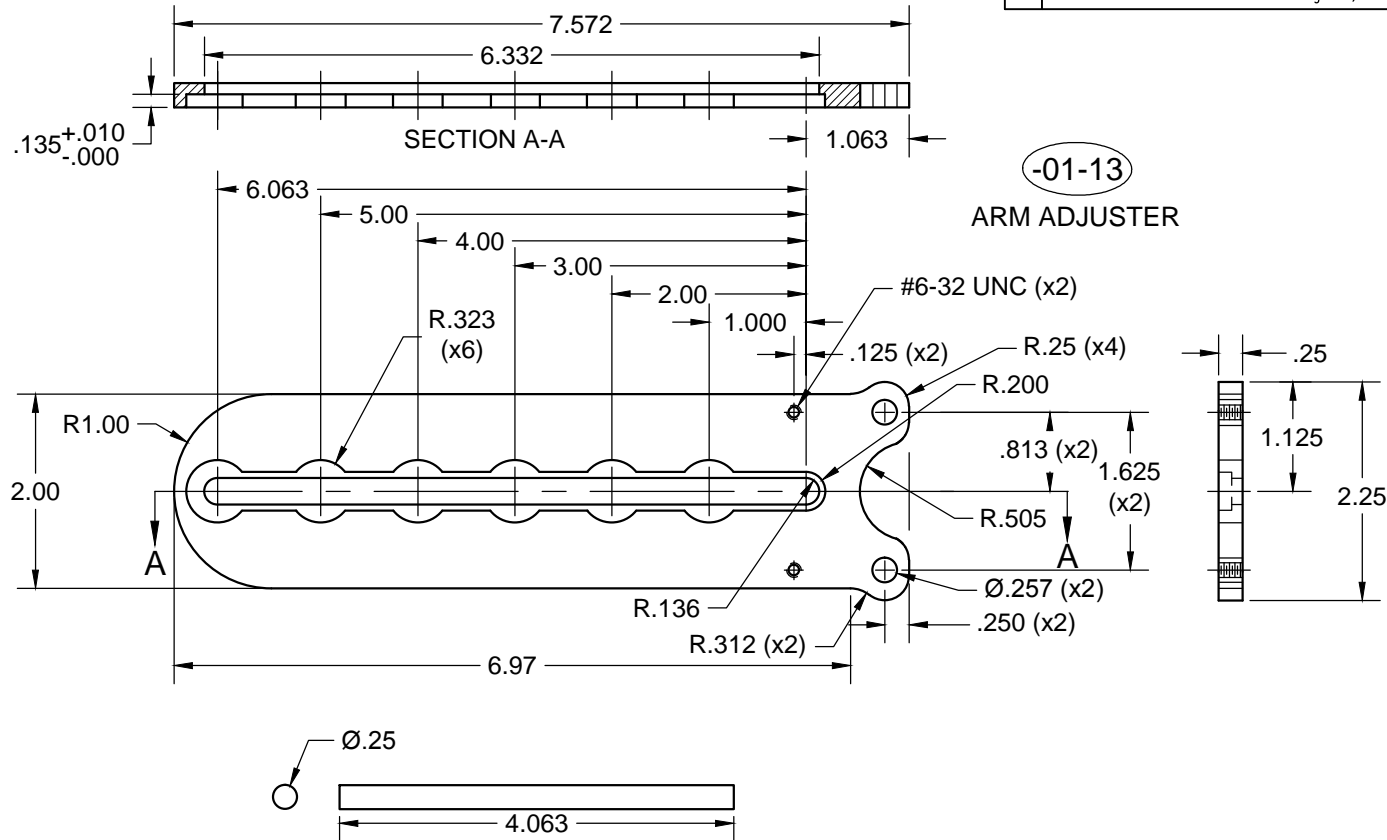
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON:
DECIMALS
.XXX ± .005
.XX ± .01
X ± .1
FRACTIONS ± 1/32
ANGLES ± 5°
DRAWN BY: PERRITT
APPROVED
HEAT TREAT
FINISH SPEC P.C. WHITE
USED ON MODEL

UNLESS OTHERWISE SPECIFIED
1. BREAK ALL SHARP EDGES
.015 x 45° PR .015 R
2. DIMENSIONAL LIMITS APPLY AFTER PLATING
FLIR
Brite Star II & Cobra

SCALE NTS DATE 3-23-07 SHEET 11 of 16

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
5	ADDED SECOND #6-32 LANYARD HOLE TO -01-13 ARM ADJUSTER, CH'D -5 CENTER PLATE O.D FROM Ø10.980. ALSO ADDED WEIGHT TESTING & ENGRAVING TO -01-47 LIFTING HANDLES CHANGED -25B DECAL LETTERING 180°, ADDED -26 PLACARD	2/7/08	WP	DW
6	-01-02 CENTER HOLE WAS Ø11.01 NOW Ø11.02, -01-13 WAS R.195 NOW R.200, -01-21 SHOULDER WAS .125 ±.002 NOW .145 TO .150, FOR CLEARANCE OF POWDER COATING	11/25/08	WP	RW
8	CHANGED -01-13 SLOT RADIUS FROM R.130 TO R.136 AND REMOVED DRAWING OF -01-21 SHOULDER SCREW BUYOUT, TO MAKE CLEARANCE FOR POWDER COATING. ALSO REMOVED PLACARD DRAWING FROM Pg. 15, IT HAS OWN PART NO.	6/8/09	WP	RW



-01-19
ARM HINGE PIN
 PRESS TO CENTER IN
 -101-07 BEFORE POWDER
 COATING AND COVER
 ENDS TO KEEP COATING OFF

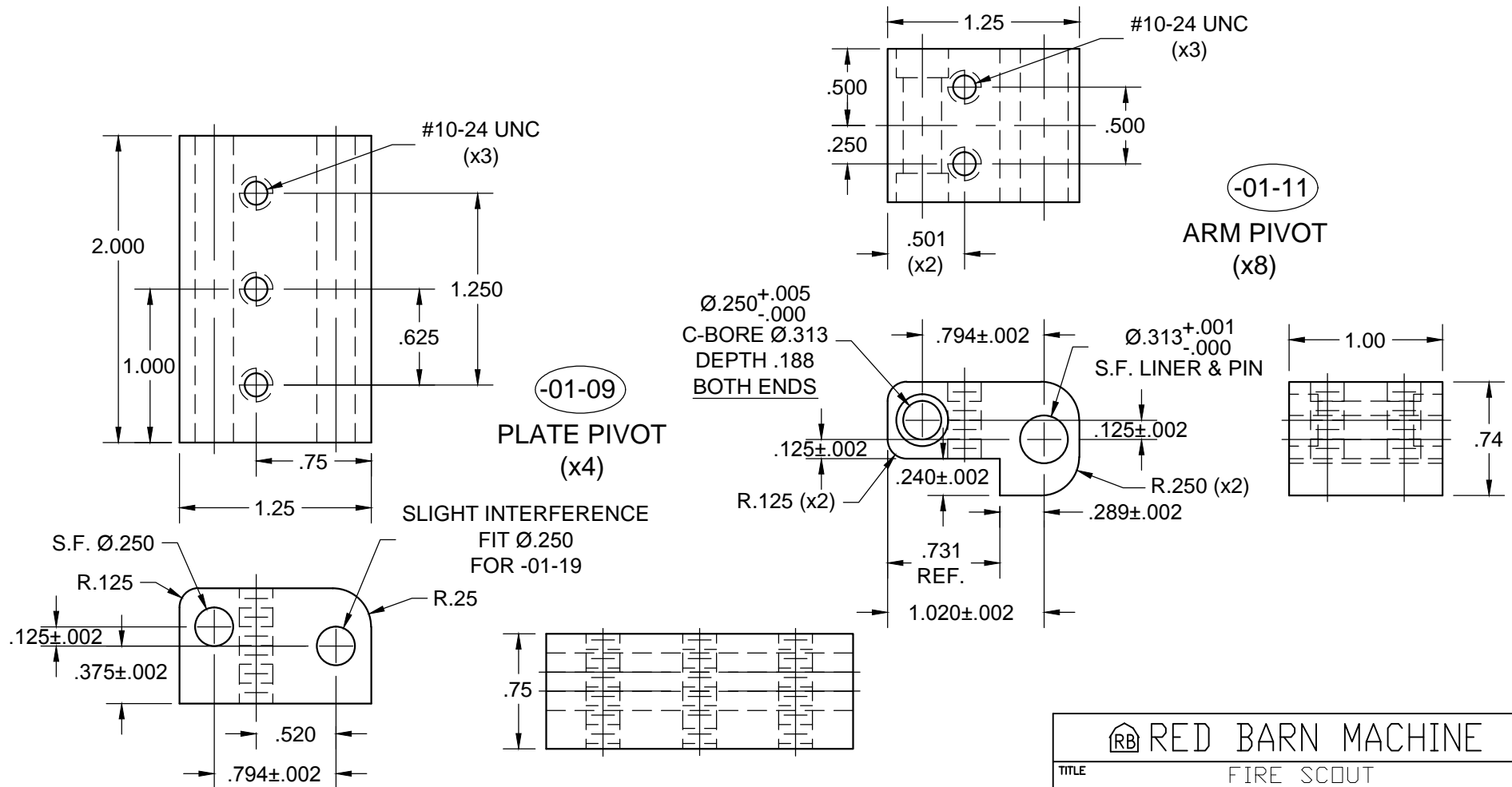
NOTES

- ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160

RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT. ARM HEIGHT ADJUSTER	
DWG NO. RBT18640-103-01-13 & -19	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	FRACTIONS ± 1/32 ANGLES ± 5°
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-07
SHEET 10 of 16	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
7	CH'D COUNTERBORE DIA P/N -01-11, ADDED DIM .731 REF. TO P/N -01-11	4/28/09	RJC	-



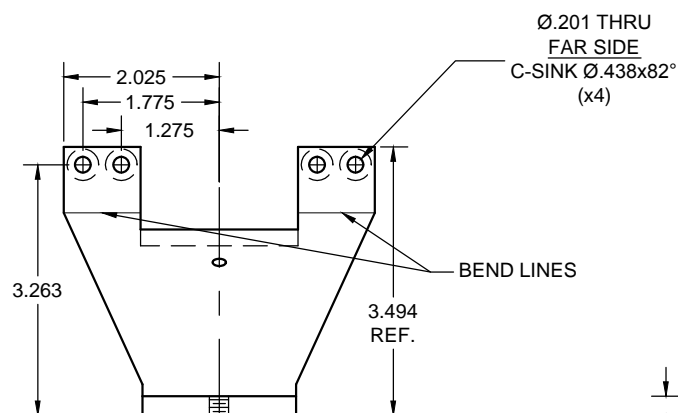
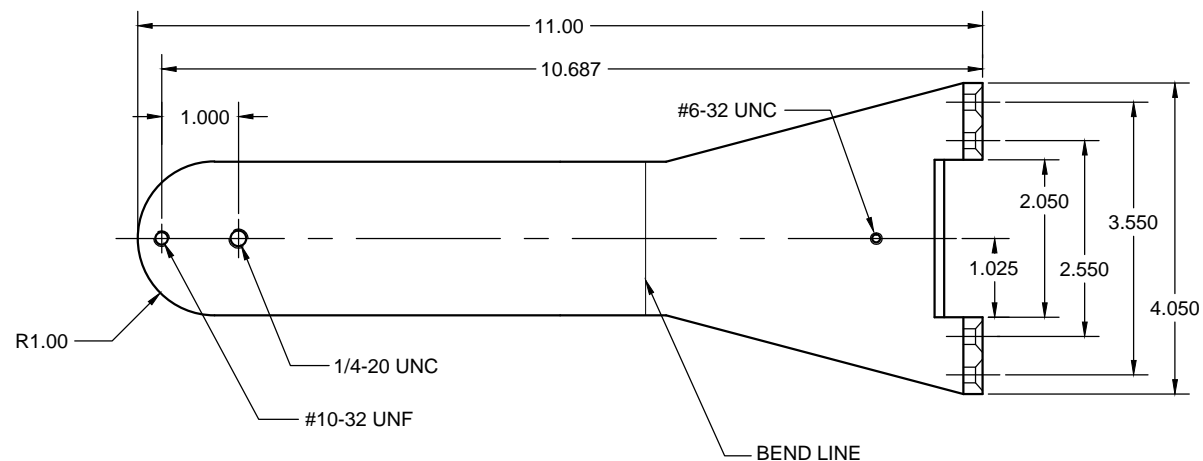
NOTES

- ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160

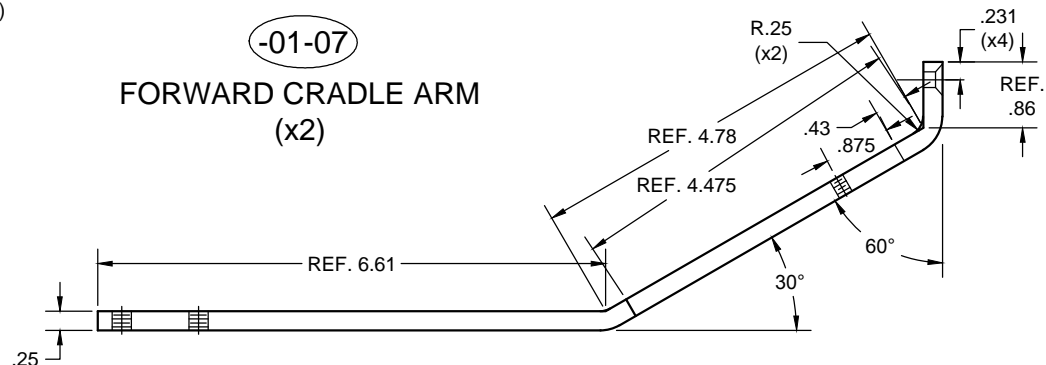
RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT. ARM & PLATE PIVOTS	
DWG NO. RBT18640-103-09 & -11	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .005	ANGLES ± .5°
.XX ± .01	
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-07
SHEET 9 of 16	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



FORWARD CRADLE ARM
(x2)



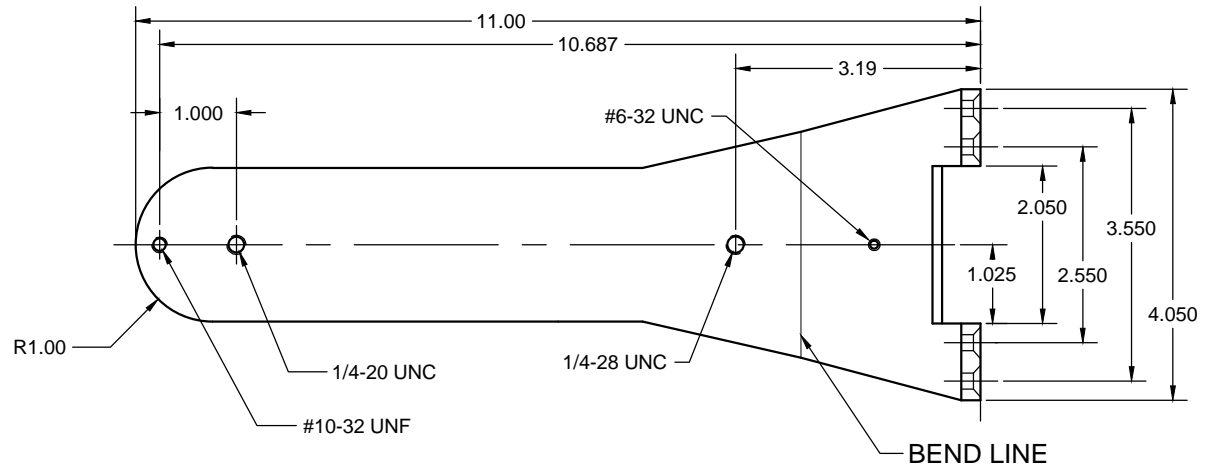
NOTES

- ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160

RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT. FORWARD CRADLE ARM	
DWG NO. RBT18640-103-01-07	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± 5° X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC P.C. WHITE USED ON MODEL FLIR Brite Star II & Cobra	
SCALE NTS	DATE 3-23-07 SHEET 8 of 16

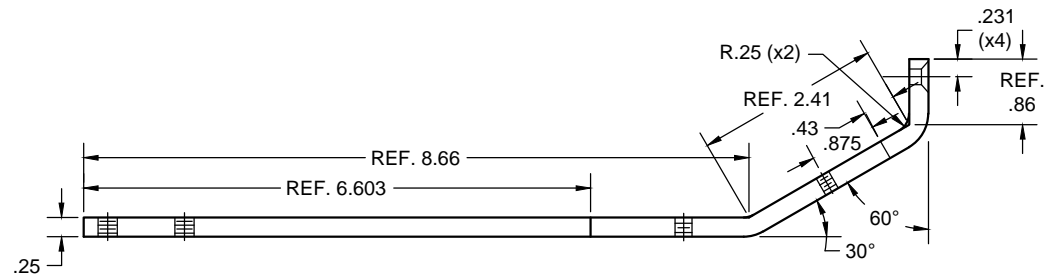
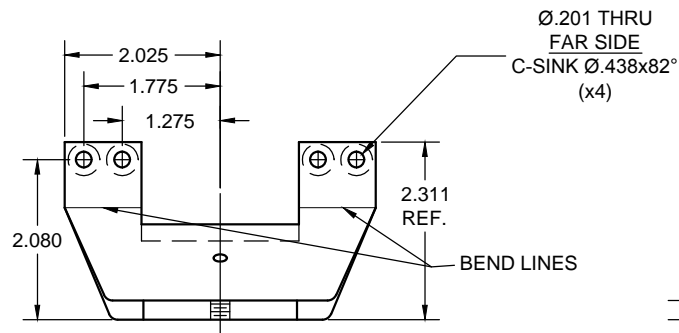
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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL



-01-05

AFT CRADLE ARM



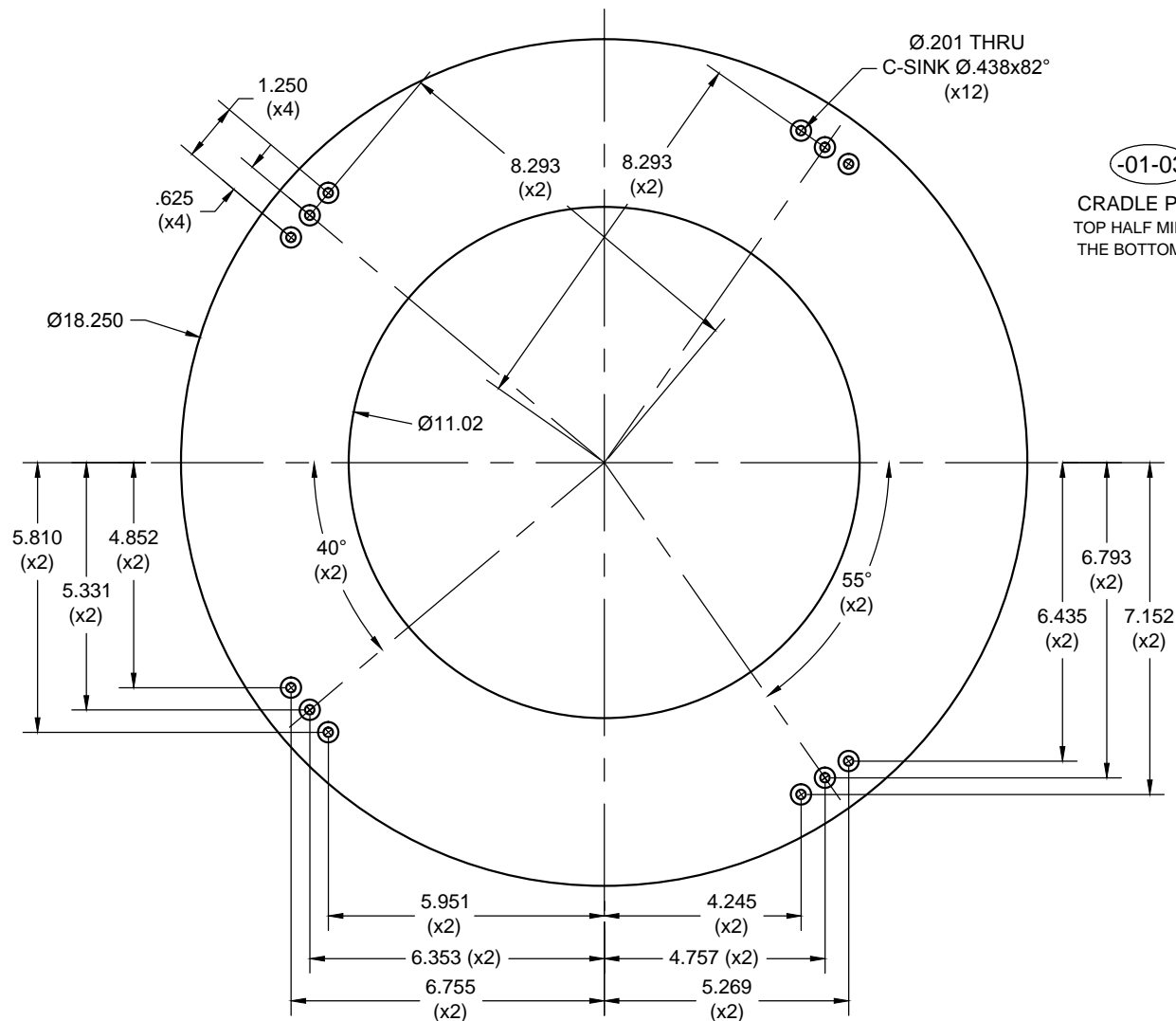
NOTES

- ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160

RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPT, AFT CRADLE ARM	
DWG NO. RBT18640-103-01-05	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .005	ANGLES ± 5°
.XX ± .01	
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-07
SHEET 7 of 16	

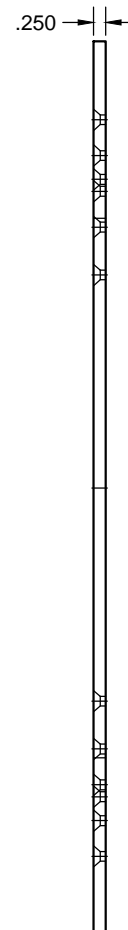
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
10	CH'D DIAMETER FROM Ø19.00 TO Ø18.25 P/N'S -01-03, -03, -09, CH'D -11 TABS TO FIT -03 BASE TO -11A & -11B TABS PER D.W. CH'D SIZE -25B TO FIT -01-03.	2/4/10	RJC	



-01-03

CRADLE PLATE
TOP HALF MIRRORS
THE BOTTOM HALF



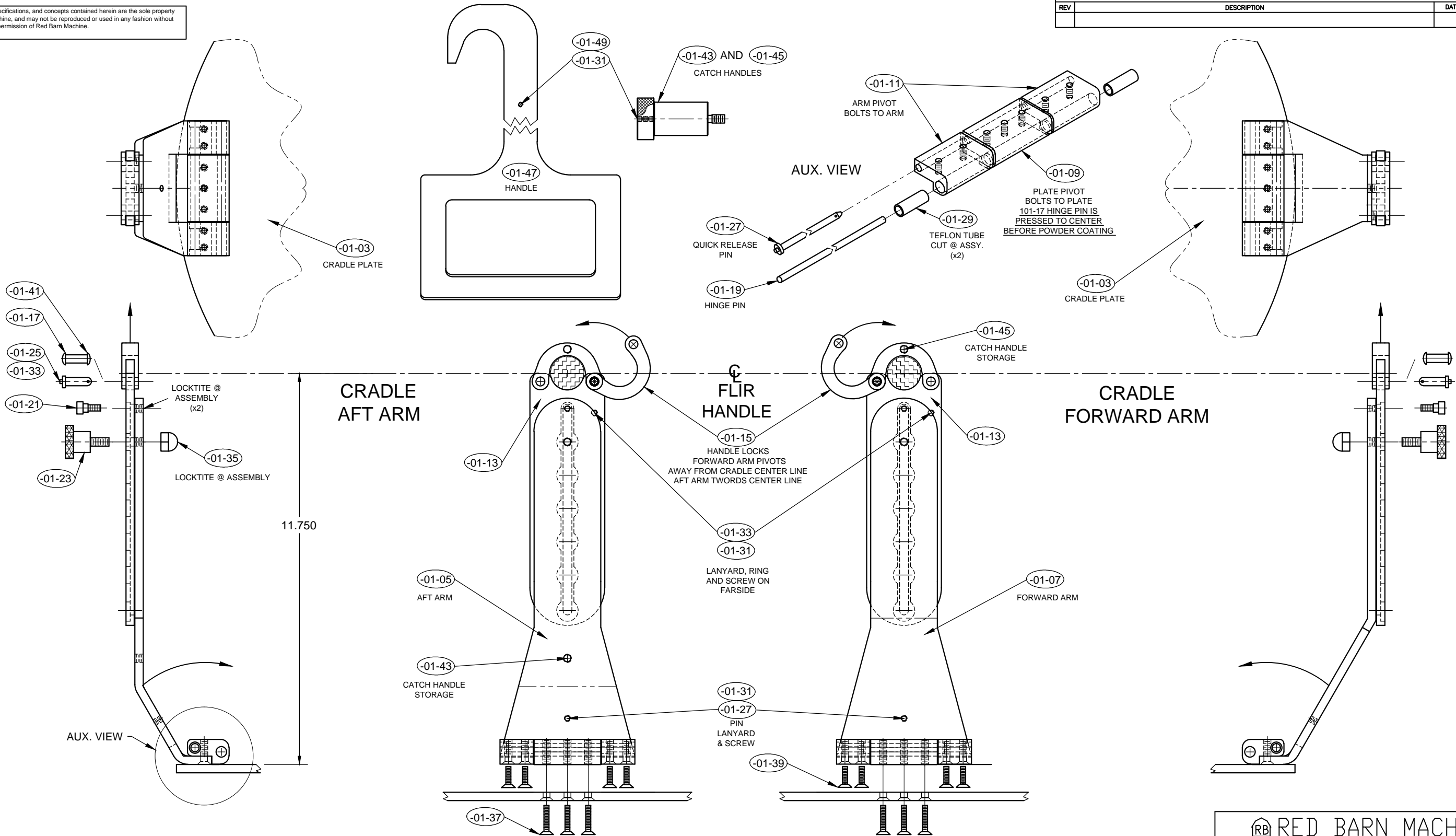
NOTES

- ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160
- TOP HALF MIRRORS THE BOTTOM HALF.

RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPTER CRADLE PLATE	
DWG NO. RBT18640-103-01-03	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	FRACTIONS ± 1/32 ANGLES ± 5°
DRAWN BY: PERRITT APPROVED	
HEAT TREAT FINISH P.C. WHITE SPEC	
USED ON MODEL	
FLIR	
Brite Star II & Cobra	
SCALE NTS	DATE 3-23-07 SHEET 6 of 16

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



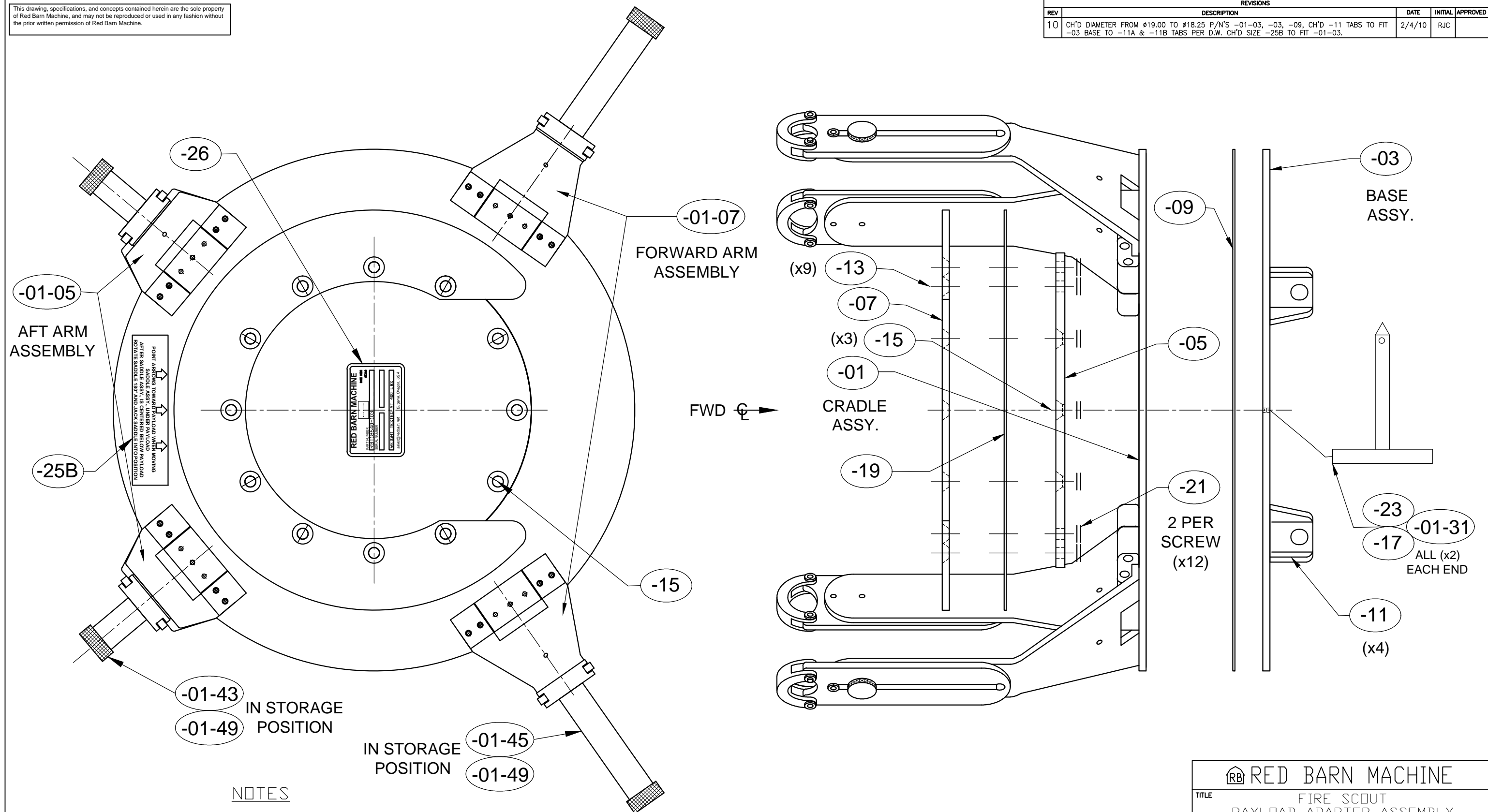
NOTES

1. ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160

RED BARN MACHINE				
TITLE		FIRE SCOUT PAYLOAD ADAPT. CRADLE ASSY.		
DWG NO.		RBT18640-103-01		REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT		
TOLERANCES ON:		APPROVED		
DECIMALS		HEAT		
.XXX ± .005		TREAT		
.XX ± .01		FINISH		
.X ± .1		SPEC		
FRACTIONS ± 1/32		P.C. WHITE		
ANGLES ± .5°		USED ON MODEL		
UNLESS OTHERWISE SPECIFIED		FLIR		
1. BREAK ALL SHARP EDGES		Brite Star II & Cobra		
.015 x 45° PR .015 R		SCALE		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DATE 3-23-07		
SCALE		SHEET 5 of 16		

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1.0	CH'D DIAMETER FROM Ø19.00 TO Ø18.25 P/N'S -01-03, -03, -09, CH'D -11 TABS TO FIT -03 BASE TO -11A & -11B TABS PER D.W. CH'D SIZE -25B TO FIT -01-03.	2/4/10	RJC	



NOTES

1. ALL STEEL COMPONENTS ARE TO BE POWDER
COATED HORIZON WHITE P/N 39110160

FOR INSTALLATION & REMOVAL OF FLIR SENSOR UNITS

 RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPTER ASSEMBLY	
DWG. NO. RBT18640-103	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC P.C. WHITE
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL FLIR Brite Star II & Cobra
SCALE NTS	DATE 3-23-07 SHEET 4 of 16

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NOTES

1. ALL STEEL COMPONENTS ARE TO BE
POWDER COATED HORIZON WHITE
P/N 39110160; MADE BY:
TIGER DRYLAC Co.
1261 EAST BELMONT ST.
ONTARIO, CA. 91761
2. UNIT IS TO BE WEIGHT TESTED TO 400 lbs.

ASSY QTY	ASSY QTY	B/O	PART#	TOTAL QTY	DESCRIPTION	MAT.	B/O INFORMATION SPECIFICATIONS OR	Pg.
			-03	1	BASE PLATE	PLATE	1018 1/4 x Ø18-1/4	13
			-05	1	CENTER PLATE	PLATE	1018 5/16 x Ø11	14
			-07	1	RETAINER PLATE	PLATE	1018 1/4 x Ø14	14
			-09	1	BEARING		TEFLON 1/16 x Ø18-1/4 PORT PLASTICS	14
			-11A	2	TAB	PLATE	1018 1/4 x 1-1/2 x 2-1/8	14
			-11B	2	TAB	PLATE	1018 1/4 x 1-1/2 x 2-1/8	14
		B/O	-13	9	FLAT S.H.C. SCREWS		S.S. 3/8-16 x 7/8 #92210A623	4
		B/O	-15	3	FLAT S.H.C. SCREWS		S.S. 3/8-16 x 1/2 #92210A619	4
		B/O	-17	4	T-HANDLE QUICK RELEASE PIN		S.S. Ø1/2 x 3 REID BLTS-140	4
			-19	1	BEARING		TEFLON 1/16 x Ø14 PORT PLASTICS	13
		B/O	-21	24	SHIM WASHERS		Ø3/8 I.D. x Ø5/8 O.D. x .010 MCMaster-CARR #3088A321	4
		B/O	-23	4	LANYARD		1/16 x 8 REID FPC-210	4
		B/O	-25B	1	SMALL EDGE DECAL		1-1/8 x 5-1/4 SIGNS NOW	15
			-26	1	RED BARN PLACARD		AL. .025 x 1-5/8 x 3-1/4 P/N RB41009	4

ASSY QTY

ASSY QTY

-01-15

-01

RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPTER B.O.M.	
DWG NO. RBT18640-103	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH P.C. WHITE SPEC USED ON MODEL FLIR Brite Star II & Cobra
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-07
SHEET 3 of 16	


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	REDESIGN CRADLE; MAKE ADAPTABLE TO DIFFERENT UNITS	6/7/07	WP	-
2	MOVED AFT ARMS IN 2-3/4 FOR CLEARANCE'S REQUIRED & ADDED CATCH & LIFTING HANDLES	9/6/07	WP	-
3	MOVED FORWARD ARMS OUT .155 PER CUSTOMER REQUEST. CH'D -01-25 BALL LOCK PINS (MUST SHAVE FOR CLEARANCE)	9/6/07	WP	DW
4	DELETED -25A DECAL CENTER OF UNIT, NARROWED HANDLE LOCKS & ADJUSTED HARDWARE	12/21/07	WP	DW
5	ADDED SECOND #6-32 LANYARD HOLE TO P/N -01-13 ARM ADJUSTER, CH'D -5 CENTER PLATE O.D. FROM Ø10.980. ALSO ADDED WEIGHT TESTING & ENGRAVING TO -01-47 LIFTING HANDLES. CHANGE -25B DECAL LETTERING 180°, & ADDED -26 PLACARD	2/7/08	WP	DW
6	-01-02 CENTER HOLE WAS Ø11.01 NOW Ø11.02; -01-13 WAS R.195 NOW R.200; -01-21 SHOULDER WAS .125 ±.002 NOW .145 TO .150; FOR CLEARANCE OF POWDER COATING	11/25/08	WP	DW
7	CH'D COUNTERBORE DIA P/N -01-11, ADDED DIM .731 REF. TO P/N -01-11, CH'D HOLE DEPTH P/N -01-45	4/28/09	RJC	RW
8	CHANGED -01-13 SLOT RADIUS FROM R.130 TO R.136 AND REMOVED DRAWING OF -01-21 SHOULDER SCREW BUYOUT, TO MAKE CLEARANCE FOR POWDER COATING. ALSO REMOVED PLACARD DRAWING FROM Pg. 15, IT HAS OWN PART NO.	6/8/09	WP	RW
9	CH'D P/N -01-15B DIM .250 TO .312 FOR POWDER COATING CLEARANCE PER G.E. & R.W.	7/7/09	RJC	
9A	CHANGED -01-15 WELD SYMBOL FROM FILLET TO BEVEL AND GRIND SMOOTH ON INSIDE.	10/26/09	WP	
10	CH'D DIAMETER FROM Ø19.00 TO Ø18.25 P/N'S -01-03, -03, -09, CH'D -11 TABS TO FIT -03 BASE TO -11A & -11B TABS PER D.W. CH'D SIZE -25B TO FIT -01-03.	2/4/10	RJC	

ASSY QTY	ASSY QTY	B/O	PART#	TOTAL QTY	DESCRIPTION	MAT.	B/O INFORMATION SPECIFICATIONS OR	Pg.
	1		-01	1	CRADLE ASSEMBLY			4
	1		-01-03		CRADLE PLATE PLATE	1018	1/4 x Ø18-1/4	6
	2		-01-05		AFT ARM PLATE	1018	1/4 x 4-1/16 x 12	7
	2		-01-07		FORWARD ARM PLATE	1018	1/4 x 4-1/16 x 12-1/4	8
	4		-01-09		PLATE PIVOT F. BAR	1018	3/4 x 1-1/4 x 2	9
	8		-01-11		ARM PIVOTS F. BAR	1018	3/4 x 1-1/4 x 1	9
	4		-01-13		ARM HEIGHT ADJUSTER PLATE	1018	1/4 x 2-1/4 x 7-5/8	10
	4		-01-15	4	HANDLE LOCK ASSEMBLY			11
2			-01-15A		EXTERIOR PLATE	1018	3/16 x 1-7/16 x 2-1/8	11
1			-01-15B		INTERIOR PLATE	1018	1/4 x 1/2 x 1	11
	4	B/O	-01-17		BARREL NUT	S.S.	Ø1/4 x 5/8 MCMaster-CARR #99637A194	5
	4		-01-19		HINGE PIN R. BAR	S.S.	Ø1/4 x 4-1/16	10
	4	B/O	-01-21		SHOULDER BOLT (GUIDE)	S.S.	Ø1/4 x 3/16 MCMaster-CARR #93996A834	5
	4	W/O	-01-23		THREADED KNOB (LOCK)	S.S.	MCMaster-CARR #6890K1	11
	4	W/O	-01-25		QUICK RELEASE PIN	S.S.	Ø1/4 x 3/4 MCMaster-CARR #90293A135	11
	4	B/O	-01-27		QUICK RELEASE PIN W/LANYARD	S.S.	Ø1/4 x 4 MCMaster-CARR #94975A434	5
	8	B/O	-01-29		BEARING TUBE	TEFLON	Ø5/16 O.D. x Ø1/4 I.D. x 1 MCMaster-CARR #51805K54	5
	18	B/O	-01-31		BUTTON S.H.C. SCREWS (LANYARDS)	S.S.	#6-32 x 1/4	5
	4	B/O	-01-33		LANYARD		1/16 x6 REID FPC-205	5
	4	B/O	-01-35		ACORN NUT	S.S.	1/4-20 #91855A360	5
	12	B/O	-01-37		FLAT S.H.C. SCREWS	S.S.	#10-24 x 1	5
	16	B/O	-01-39		FLAT S.H.C. SCREWS	S.S.	#10-24 x 3/4 #92210A245	5
	4	B/O	-01-41		FLANGE H.C. SCREWS	S.S.	#10-24 x 3/8 MCMaster-CARR #97654A141	5
	2		-01-43		AFT CATCH HANDLE R. BAR	S.S.	Ø1-1/4 x 2-3/4	12
	2		-01-45		FORWARD CATCH HANDLE R. BAR	S.S.	Ø1-1/4 x 5-3/8	12
	4		-01-47		HANDLE PLATE	S.S.	1/4 x 6 x 13-1/2	12
	4	B/O	-01-49		LANYARD		1/16 x6 REID FPC-105	5
ASSY -01-15	ASSY -01							

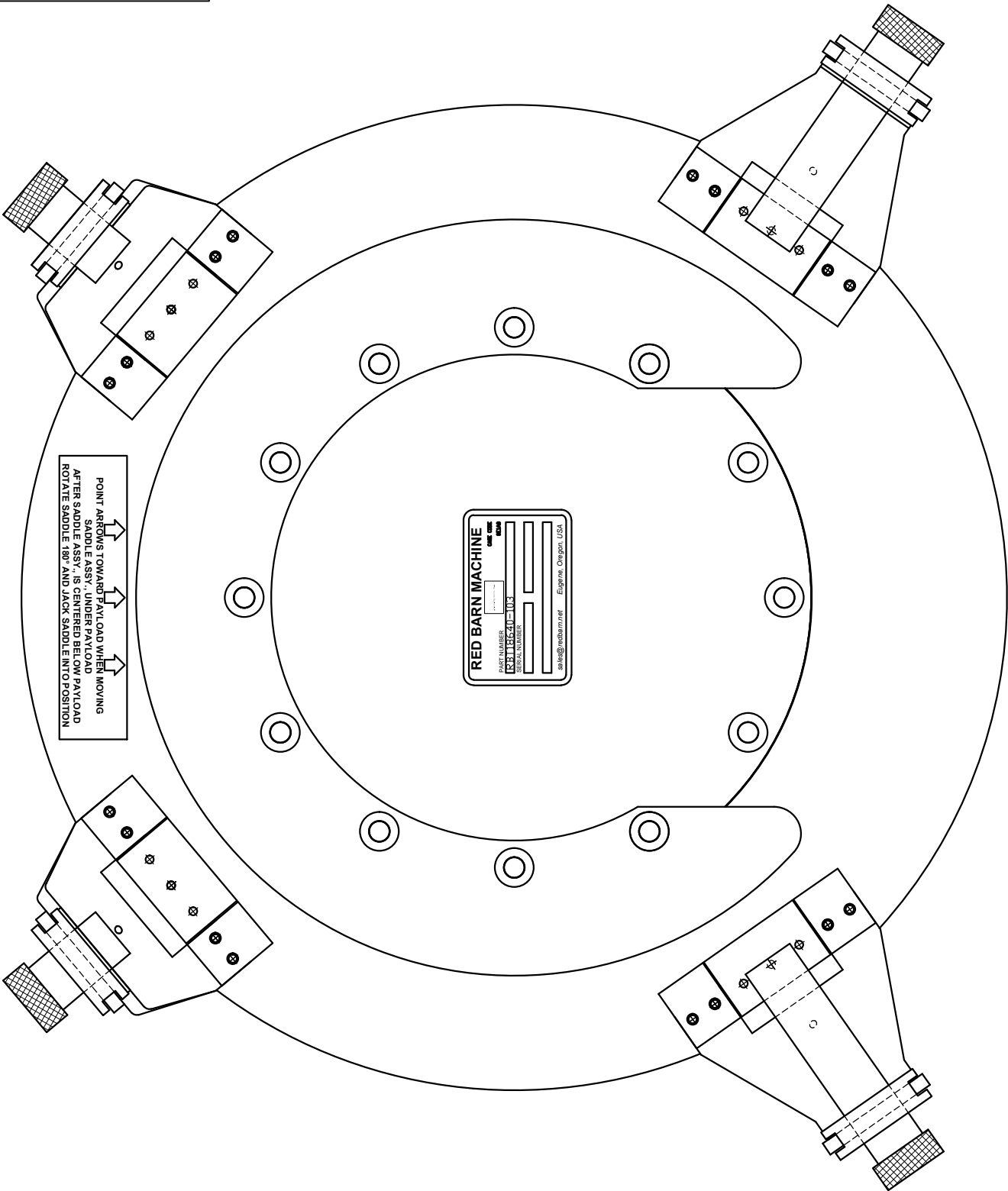
NOTES

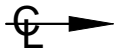
- ALL STEEL COMPONENTS ARE TO BE POWDER COATED HORIZON WHITE P/N 39110160; MADE BY:
TIGER DRYLAC Co.
1261 EAST BELMONT ST.
ONTARIO, CA. 91761
- UNIT IS TO BE WEIGHT TESTED TO 400 lbs.

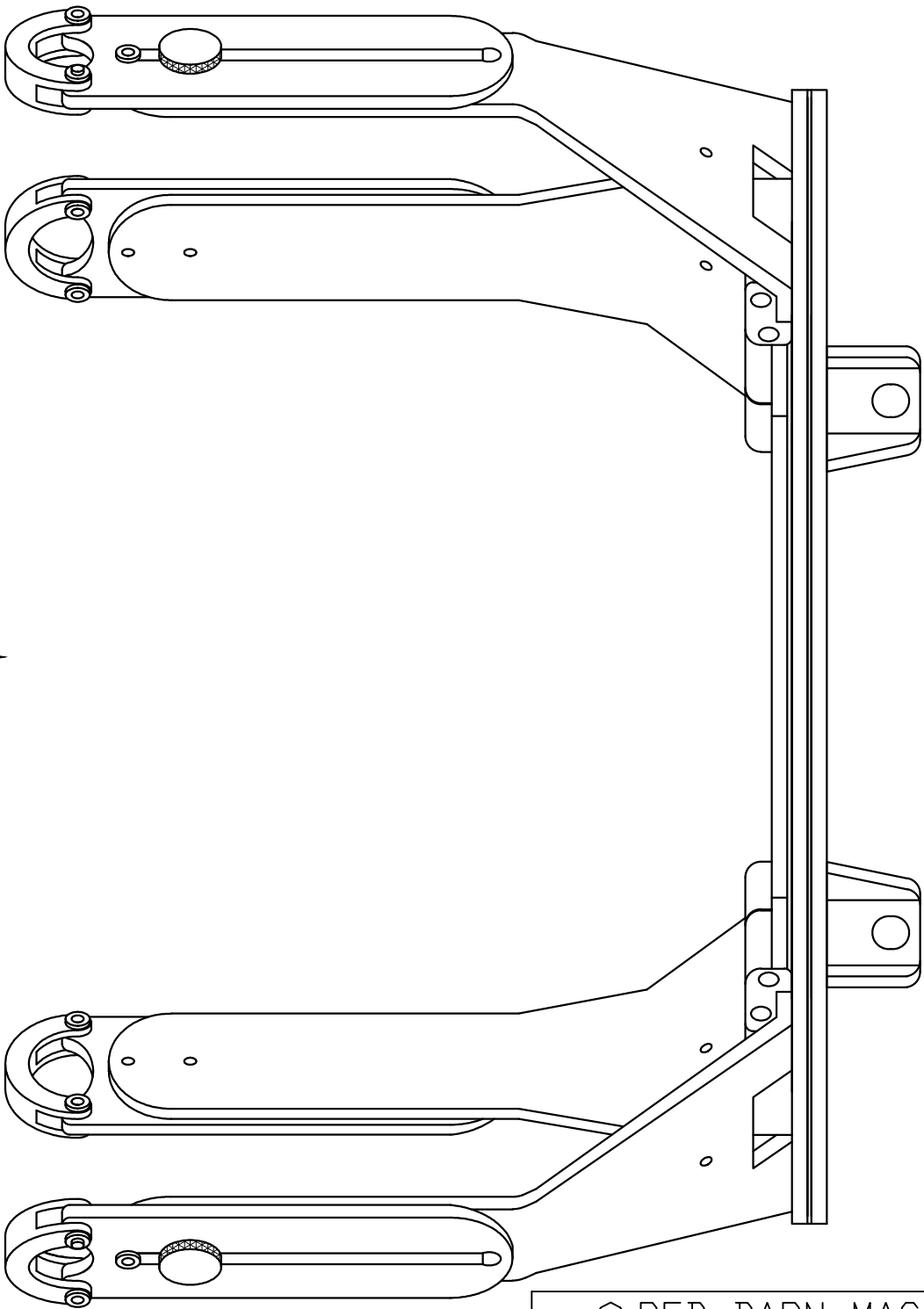
 RED BARN MACHINE	
TITLE FIRE SCOUT PAYLOAD ADAPTER B.O.M.	
DWG NO. RBT18640-103	REV 10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1	DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC P.C. WHITE USED ON MODEL FLIR Brite Star II & Cobra
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES 015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-07 SHEET 2 of 16

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED




FWD 



FOR INSTALLATION & REMOVAL OF FLIR SENSOR UNITS

RED BARN MACHINE			
TITLE FIRE SCOUT PAYLOAD ADAPTER ASSEMBLY			
DWG NO.	RBT18640-103	REV	10
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: PERRITT	
TOLERANCES ON:		APPROVED	
DECIMALS		HEAT TREAT	
.XXX ± .005	FRACTIONS ± 1/32	FINISH	
.XX ± .01	ANGLES ± 5°	SPEC	
.X ± .1		USED ON MODEL	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		FLIR	
SCALE NTS		Brite Star II & Cobra	
DATE 3-23-07		SHEET 1 of 16	

REVISIONS				
REV	DESCRIPTION	DATE	INITIALS	APPROVED
1	REDESIGN CRADLE; MAKE ADAPTABLE TO DIFFERENT UNITS	6-07-07	WP	X

 RED BARN MACHINE	
TITLE PAYLOAD ADAPTER B.O.M.	
DWG NO. RBT18640-103	REV 3
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: PERRITT APPROVED HEAT TREAT FINISH SPEC P.C. WHITE USED ON MODEL FLIR Brite Star II & Cobra
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE NTS DATE 3-23-07 SHEET 2 of 14

NOT APPROVED FOR PRODUCTION

RB RED BARN M	
TITLE PAYLOAD ADAPTER	
DWG NO. RBT18640-1	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
XXX ± .005	FRACTIONS ± 1/32
XX ± .01	ANGLES ± .5°
X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 3-23-0